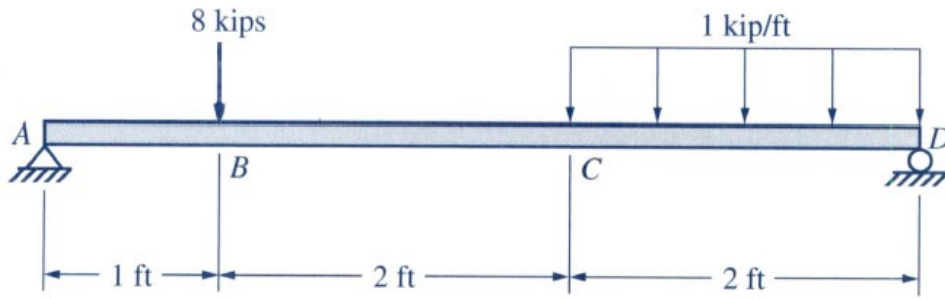


13-16

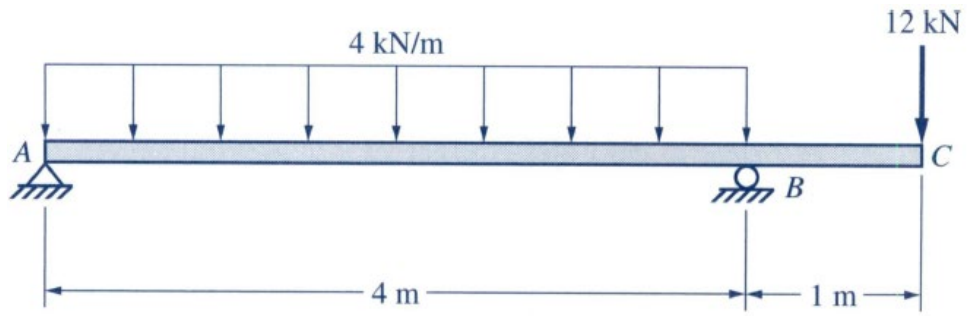
13-16 to 13-21 Refer to Figs. P13-16 to P13-21. Draw the shear force and bending moment diagrams for each beam. Locate the section with zero shear force (if any) and determine the moment at the section.



Solution.

13-17

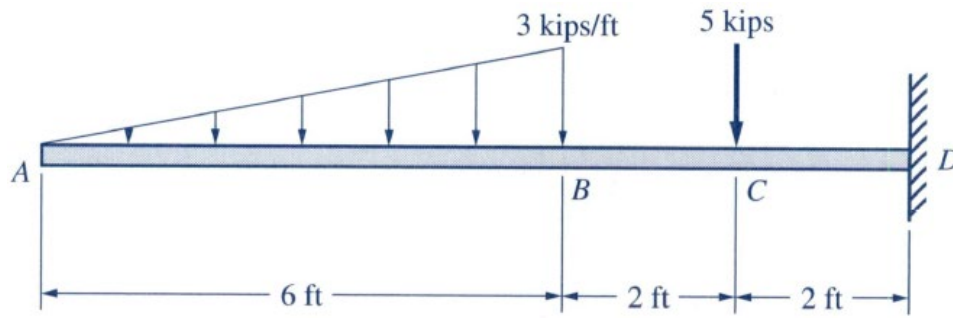
13-16 to 13-21 Refer to Figs. P13-16 to P13-21. Draw the shear force and bending moment diagrams for each beam. Locate the section with zero shear force (if any) and determine the moment at the section.



Solution.

13-18

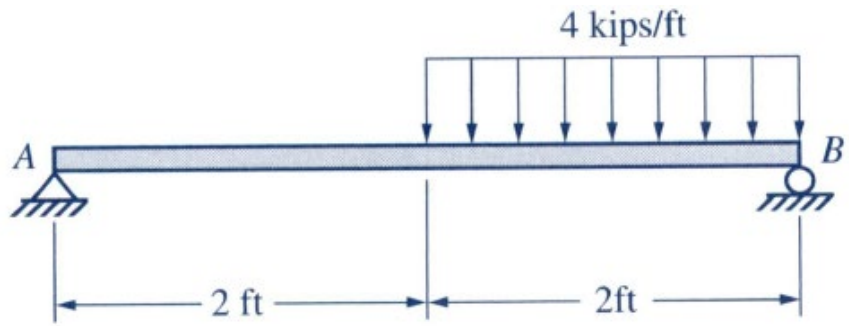
13-16 to 13-21 Refer to Figs. P13-16 to P13-21. Draw the shear force and bending moment diagrams for each beam. Locate the section with zero shear force (if any) and determine the moment at the section.



Solution.

13-22a

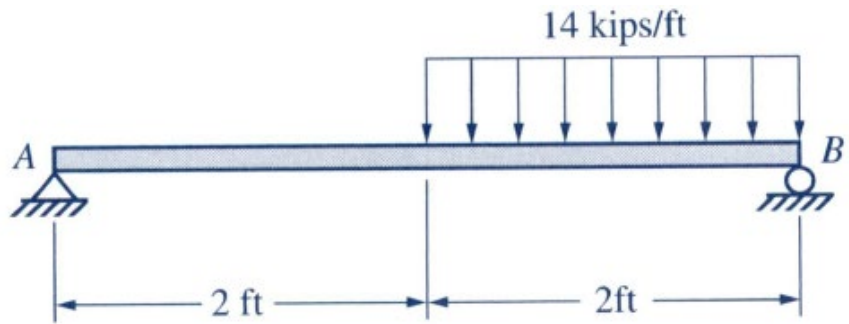
13-22 to 13-37 Refer to Figs. P13-22 to P13-37. Construct the shear force and the bending moment diagrams for the beam in each figure due to the loading shown by using the relationships among the load, shear, and moment diagrams.



Solution.

13-22b

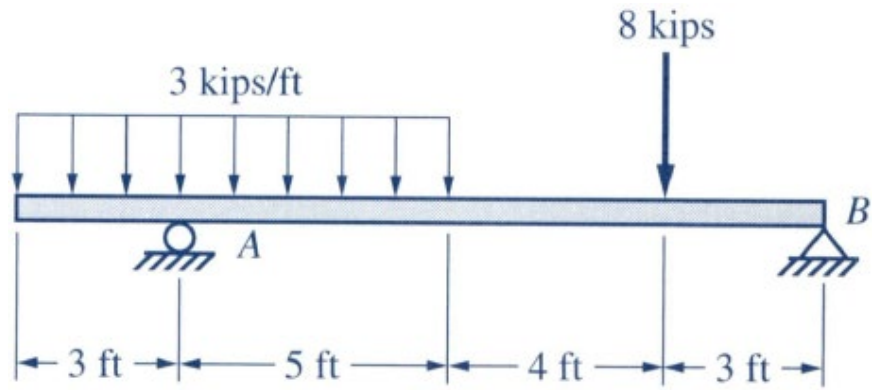
13-22 to 13-37 Refer to Figs. P13-22 to P13-37. Construct the shear force and the bending moment diagrams for the beam in each figure due to the loading shown by using the relationships among the load, shear, and moment diagrams.



Solution.

13-30

13-22 to 13-37 Refer to Figs. P13-22 to P13-37. Construct the shear force and the bending moment diagrams for the beam in each figure due to the loading shown by using the relationships among the load, shear, and moment diagrams.



Solution.